

ACTIVELY FIGHTS LIMESCALING & VITALIZES YOUR WATER



We have combined two proven technologies in this new device, the **EWO DOLOMIT**:

1. The effective EWO Vitalization using 3 mechanisms:

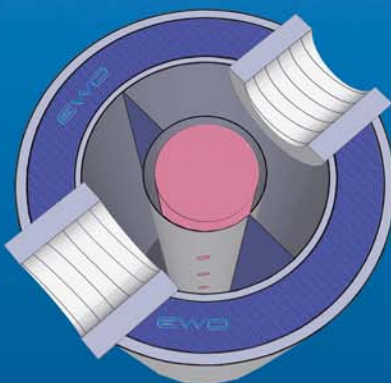
- Swirling
- Information Transfer
- Magnetism

2. The proven cathodic protection using sacrificial magnesium anodes

Both methods have been proven to be effective against lime scaling. The unique and innovative combination of these technologies in the **EWO DOLOMIT** now provides lime scale protection in extreme applications of water temperatures of over 60° C and in the hardest of water conditions.

The advantages of this combined technology:

- Little to no lime scale deposits on various surfaces (such as sinks, faucets and tiles) and devices like kettles, coffee machines, dishwashers, laundry machines etc.
- Previous deposits in pipes and water boilers are removed over time
- New deposits are effectively prevented
- Cost-effective as no chemicals or electricity is required
- Easy exchange of replacement anodes
- Indicator warns when anode needs to be exchanged



Cross-section



Calcium metamorphism through the EWO Vitalization method:

The proven and tested EWO Water Vitalization method changes the crystal structure of calcium, from sharp and aggressive calcite to a more dull and natural aragonite. Calcite generally promotes the formation of lime scale deposits, while aragonite forms little to no bonds with surfaces. This effect has not only been field-tested for years by our customers, but has been confirmed by a scientific study conducted on behalf of EWO by the University of Bologna, Italy.



CALCITE

ARAGONITE

Sacrificial Magnesium Anode actively prevents lime scale deposits:

As water flows through the EWO DOLOMIT, ions separate from the magnesium rod and serve as nuclei for crystallization. Calcium crystals form and get washed away with the water, without bonding to surfaces.



sacrificial anode

colour indicator

The interaction of these innovative methods further increases the effectiveness of the EWO DOLOMIT.

How long does the anode last ?

The sacrificial magnesium anode will last about 1-3 years depending on water usage and level of hardness. Once the indicator tip turns red, the magnesium rod needs to be replaced.

The magnesium rod used in the device is certified for use in drinking water according to the European Norm: 12438

EWO - DOLOMIT		Technical Data				
Size	Item	1"	5/4"	2"	3"	4"
Nominal with	DN	25	32	50	80	100
Max. water pressure	bar/psi	15/218	15/218	15/218	15/218	15/218
Operating temperature	°C	1-90	1-90	1-90	1-90	1-90
Max. flow at 4 bar / 58 psi	l/sec.	3	5	9	14	20
Max. loss of pressure	bar/psi	0,5/7,3	0,5/7,3	0,5/7,3	0,5/7,3	0,5/7,3
Length / Height	mm	270	360	505	587 inkl. flange	640 inkl. flange
Diameter	mm	105	130	168	198	250
Clear width without double-nipples	mm	115	146	180	340 inkl. flange	400 inkl. flange
Weight	kg	4,5	7,5	16,5	30	45